Exhibit D - Sampling Data Submittal Requirements

Procedures for obtaining the sampling data submittal requirements are available on Ecology's website. Use the following steps:

Go to http://www.ecy.wa.gov/eim/

Then click on "Data Submittal Information" under Submit data to

EIM

Go to the bottom of the page and click on
http://www.ecy.wa.gov/programs/tcp/smu/sedqualfirst.htm

See Attached copies of procedures

access washington ™

Ecology Home

Environmental Info.

EIM

EIM Environmental Information Management

Search Database   Submit Data   Downloads   Help   About   Contact Us

Welcome to EIM

Welcome to the Environmental Information Management System (EIM), a searchable database developed and maintained by the Washington State Department of Ecology.
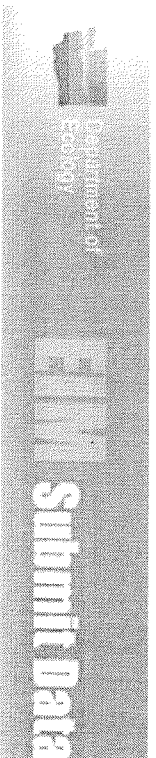
EIM contains environmental data from the Department of Ecology and affiliates such as local government and grantees.

Search EIM database >

Download ready-made EIM datasets >

What's new? >

What's in EIM? >

Data sources outside EIM >

EIM help and data definitions >

Join the EIM e-mail list >

Get environmental data about Washington State

Access over 1.7 million records on Washington's air, water, soil, aquatic animals, and plants.

Search Database >

Submit data to EIM

Data Submittal Information >

Contact Data Coordinator >

Search Database | Submit Data | Downloads | Help | About | Contact Us

Ecology > EIM > Submit Data

New! Submit Data Online

Submit data online using the EIM Import Module. Follow the instructions below:

Set Up Account, Get Your Key, and Log In

- Click on "Set Up Account" in the blue box on the right. Enter information about your organization. Once you have submitted your organization account, you will receive your organization key — usually within a day from EIM staff.
- After you receive your key, click on "Complete Your Profile." Enter your user name, your password, your key, and your secret answer to a question. You will then enter the EIM Import Module.
- To log in again, click on "Log In." Enter your user name and password.
- Different users within an organization may share the same organization key.
- If you forget your organization key, contact the EIM Data Coordinator.

Required Browsers

- To use the EIM Import Module, your browser must be Microsoft© Internet Explorer 6.0.2800 or above. Other browser clients or versions may not support the Import Module. To download the latest version of Internet Explorer, go to: http://www.microsoft.com/windows/ie/default.mspx

Existing Users
Log In

New?
Set Up Account

Got Organization Key?
Complete Your Profile

Getting Started with the EIM Import Module

Your Study

A set of data about an area or natural resource.

Location Data

Where samples are collected, measurements are made, or observations are recorded.

Result Data

Field measurements, observations, or analytical procedures performed on samples.

- Submit your data in three parts: Study information, Location data, and Result data.
- Begin by completing information about your Study.
- Enter Location and Result data in one of two ways:
  1. Submit data using EIM spreadsheets.
  2. Submit data from your database.

To Submit Data Using EIM Spreadsheets

- Download the EIM Spreadsheets, Submittal Guidelines, and Help zip file. To access the file, you will need a zip file extracting tool such as WinZip (unless your operating system is Windows XP).
- Fill out spreadsheets for Location and Result data.

To Submit Data From Your Database

- Log in to the EIM Import Module.
- Enter Your Study Information.
- Submit your Location and Result data (includes checking).

To Submit Data From Your Database

- Download the EIM Submittal Guidelines and Data Dictionary zip file. To access the file, you will need a zip file extracting tool such as WinZip (unless your operating system is Windows XP).
- Log in to the EIM Import Module.
- Enter your Study information.
- Define your file formats for Location and Result data.
- Submit your Location and Result data (includes checking).

To Submit SEDQUAL Sediment Data

- Toxics Cleanup Program-related sediment data is to be submitted in SEDQUAL format.
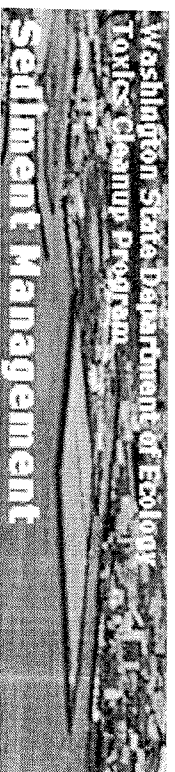- To access the SEDQUAL Web site go to: http://www.ecy.wa.gov/programs/tcp/smu/sedqualfirst.htm

Need help? Contact the Data Coordinator

- Email: **eim_data_coordinator@ecy.wa.gov**
- Call: (360) 407-6258 (Olympia, Washington).

Access Washington™
Official State Government Web Site

Washington State Department of Ecology
Toxics Cleanup Program

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SEDQUAL - Sediment Quality Information System - SEDQUAL

Current release version is: 5.0 - October 2004

The fifth public release of SEDQUAL, is **now being distributed on CD-ROM by request** by sending the appropriate contact information to: mpay461@ecy.wa.gov. SEDQUAL is used by Federal, State and local natural resource regulatory organizations, academic institutions and other environmental stakeholders to assess sediment toxicity in sub-tidal marine and freshwater environments.

A defacto regional standard in the Pacific Northwest, SEDQUAL is used by virtually all natural resource regulatory authorities. The system consists of a **database** component, a **user interface** component and **integrated GIS** components.

- The **SQL 2000 server database**, SEDQUAL.MDF, contains almost 15,000 sample collection **stations**, over 23,000 sediment **sample** records, nearly one million **chemical analysis** records, 121,000 **benthic infauna analysis** records and nearly 52,000 **laboratory bioassay analysis** records. The data file also contains tissue data including bioaccumulation and histopathology.

- The **user interface**, SEDQUAL.EXE, provides powerful query and hit interpretation tools which make **data retrievals** and sediment quality **analysis functions** faster and easier than ever before.

- The **GIS base data** distributed with the system includes **sediment station locations**, water bodies, land areas and other useful features for California, Idaho, Oregon, Washington and Alaska.

- A "built in" **GIS interface** provides basic, read-only spatial analysis features at no additional cost. Use the **Map Form** to select station points located within a drainage basin or other geographic study area of concern. Users can quickly and easily **perform database query and analysis functions** using the selected stations. Similarly, a user can quickly **view and map station locations** associated with any query or analysis result produced by the system.

- A second **GIS interface** is provided for users who have purchased and installed E.S.R.I.'s ArcView version 3.x GIS software. The ArcView extension file, SEDQUAL5.AVX, supports full featured spatial analysis, read and write access to GIS data and complete integration with other high performance GIS analysis tools available for use with the ArcView application.

SEDQUAL is designed to operate with Microsoft's **Windows NT**, service pack 6 or above, **Windows 2000**, or **Windows XP** operating system. SEDQUAL can not be installed on computers using older operating systems such as Windows 95 or Windows 98. The entire Sediment Quality Information System requires **one gigabyte minimum** available disk space to install and operate. SEDQUAL is implemented as a stand alone client server application, in other words, no network connection required!

If you are upgrading from a previous release, be sure to uninstall all previously installed components and remove all previously installed files prior to installing a newer version. Refer to the **!READ_ME.txt** file distributed with the setup files for more more detailed information on the uninstall process.

Please be sure to forward your contact information if you wish to **receive periodic email information** including: key analysis features, technical tips, workshop opportunities and more. We welcome your **comments and feedback** regarding useful features, errors, omissions and/or your suggestions for useful new features.
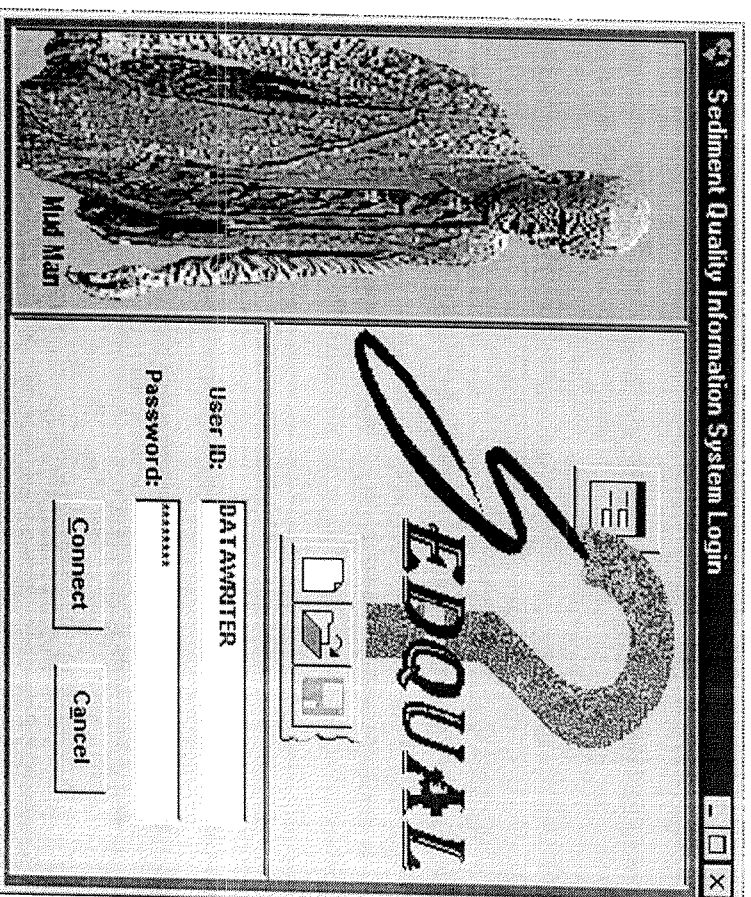
Try these links for more detailed information on SEDQUAL:

● Data Entry Templates - How to submit data for batch entry into SEDQUAL R5.

Questions or comments about the Sediment Quality Information System?

Contact: Martin Payne at: (360) 407-6920 or mpay461@ecy.wa.gov
Gina Casteel at: (360) 407-7394 or gcas461@ecy.wa.gov

Screen shot of SEDQUAL Logon Form:

Sediment Quality Information System Login

Mud Man

SEDQUAL

User ID: DATAWRITER

Password: *******

Connect   Cancel

Last revised: Wednesday October 27, 2004